

Animal Behavior An Evolutionary Approach

Evolutionary Behavioral Ecology Animal Behaviour Evolutionary Psychology Information Behavior Perspectives in Ethology Cognition, Evolution, and Behavior Behavioral Mechanisms in Evolutionary Ecology Evolutionary Psychology: Neuroscience Perspectives concerning Human Behavior and Experience Animal Personalities Conceptual Breakthroughs in Ethology and Animal Behavior Ethology The Biology of Religious Behavior Evolutionary Psychology Evolution and Human Behavior Science and Philosophy of Behavior Insect Behavior Animal Behavior Animal Behavior and Parasitism Animal Behavior Desk Reference Dogs Comparative Psychology Phylogenies and the Comparative Method in Animal Behavior Individual Development and Evolution Sex, Murder, and the Meaning of Life Studyguide for Animal Behavior: an Evolutionary Approach by John Alcock, ISBN 9780878939664 Evolution and Human Behavior Advances in the Study of Behavior Gaining Control Studyguide for Animal Behavior Studyguide for Animal Behavior Parasitoids The Domestic Dog Animal Behavior The Biological Foundations of Organizational Behavior Games of Life Comparative Psychology Darwin and the Emergence of Evolutionary Theories of Mind and Behavior Evolutionary Perspectives on Human Sexual Psychology and Behavior Cognitive Biology Evolutionary Theory and Human Nature

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Parasitoids Apr 05 2020 Parasitoids lay their eggs on or in the bodies of other species of insect, and the parasitoid larvae develop by feeding on the host, causing its eventual death. Known for a long time to applied biologists for their importance in regulating the population densities of economic pests, parasitoids have recently proven to be valuable tools in testing many aspects of evolutionary theory. This book synthesizes the work of both schools of parasitoid biology and asks how a consideration of evolutionary biology can help us understand the behavior, ecology, and diversity of the approximately one to two million species of parasitoid found on earth. After a general introduction to parasitoid natural history and taxonomy, the first part of the book treats the different components of the reproductive strategy of parasitoids: searching for a host, host selection, clutch size, and the sex ratio. Subsequent chapters discuss pathogens and non-Mendelian genetic elements that affect sexual reproduction; evolutionary aspects of the physiological interactions between parasitoid and host; mating strategies; life history theory and community ecology. A special effort is made to discuss the theoretical background to the subject, but without the use of mathematics.

Animal Behaviour Oct 04 2022 ?This textbook presents all basic principles of animal behaviour in a clear and concise manner and illustrates them with up-to-date examples. Emphasis is placed on behavioural biology as an integrative discipline of organismic biology, focusing on the adaptive value of behaviours that facilitate resource access, predator avoidance and reproductive success and underlie parental care, all within a comprehensive presentation of social complexity. This new textbook provides a rich resource for students (and teachers) from a wide range of life science disciplines.

The Biology of Religious Behavior Nov 24 2021 Offers a fresh and detailed take on the evolution of religious behavior from a biobehavioral perspective, promoting a new understanding that may help build bridges across the religious divide. There has been much recent interest in the study of religion from the perspective of Darwinian evolution. The Biology of Religious Behavior: The Evolutionary Origins of Faith and Religion offers a broad overview of the topic, written by internationally recognized experts. In addition to its primary focus on religious behavior, the book addresses other important aspects of religion, such as values, beliefs, and emotions as they affect behavior. The contributors approach the evolution of religion by examining the behavior of individuals in their everyday lives. After describing various religious behaviors, the contributors consider the behaviors with reference to their evolutionary history, development during the lifetime of the individual, proximate causes, and adaptive value. Happily, this foray into understanding religion from a biobehavioral perspective demonstrates that, at the biological and behavioral levels, what unites the different religions of the world is far greater than what divides them.

Darwin and the Emergence of Evolutionary Theories of Mind and Behavior Sep 30 2019 With insight and wit, Robert J. Richards focuses on the development of evolutionary theories of mind and behavior from their first distinct appearance in the eighteenth century to their controversial state today. Particularly important in the nineteenth century were Charles Darwin's ideas about instinct, reason, and morality, which Richards considers against the background of Darwin's personality, training, scientific and cultural concerns, and intellectual community. Many critics have argued that the Darwinian revolution stripped nature of moral purpose and ethically neutered the human animal. Richards contends, however, that Darwin, Herbert Spencer, and their disciples attempted to reanimate moral life, believing that the evolutionary process gave heart to unselfish, altruistic behavior. "Richards's book is now the obvious introduction to the history of ideas about mind and behavior in the nineteenth century."—Mark Ridley, Times Literary Supplement "Not since the publication of Michael Ghiselin's The Triumph of the Darwinian Method has there been such an ambitious, challenging, and methodologically self-conscious interpretation of the rise and development and evolutionary theories and Darwin's role therein."—John C. Greene, Science "His book . . . triumphantly achieves the goal of all great scholarship: it not only informs us, but shows us why becoming thus informed is essential to understanding our own issues and projects."—Daniel C. Dennett, Philosophy of Science

Cognitive Biology Jul 29 2019 An overview of current research at the intersection of psychology and biology, integrating evolutionary and developmental data and explanations. In the past few decades, sources of inspiration in the multidisciplinary field of cognitive science have widened. In addition to ongoing vital work in cognitive and affective neuroscience, important new work is being conducted at the intersection of psychology and the biological sciences in general. This volume offers an overview of the cross-disciplinary integration of evolutionary and developmental approaches to cognition in light of these exciting new contributions from the life sciences. This research has explored many cognitive abilities in a wide range of organisms and developmental stages, and results have revealed the nature and origin of many instances of the cognitive life of organisms. Each section of Cognitive Biology deals with a key domain of cognition: spatial cognition; the relationships among attention, perception, and learning; representations of numbers and economic values; and social cognition. Contributors discuss each topic from the perspectives of psychology and neuroscience, brain theory and modeling, evolutionary theory, ecology, genetics, and developmental science. Contributors Chris M. Bird, Elizabeth M. Brannon, Neil Burgess, Jessica F. Cantlon, Stanislas Dehaene, Christian F. Doeller, Reuven Dukas, Rochel Gelman, Alexander Gerganov, Paul W. Glimcher, Robert L. Goldstone, Edward M. Hubbard, Lucia F. Jacobs, Mark H. Johnson, Annette Karmiloff-Smith, David Landy, Lynn Nadel, Nora S. Newcombe, Daniel Osorio, Mary A. Peterson, Manuela Piazza, Philippe Pinel, Michael L. Platt, Kristin R. Ratliff, Michael E. Roberts, Wendy S. Shallcross, Stephen V. Shepherd, Sylvain Sirois, Luca Tommasi, Alessandro Treves, Alexandra Twyman, Giorgio Vallortigara

Phylogenies and the Comparative Method in Animal Behavior Jan 15 2021 In the last ten years, the comparative method has been revolutionized by modern statistical ways of incorporating phylogenies into the design and analysis of comparative studies. The results of this revolution are particularly important in the study of animal behavior, which has relied on interspecific comparisons to infer universal trends and evolutionary patterns. The chapters of this edited volume consider the impact of modern phylogenetic comparative methods on the study of animal behavior and discuss the main issues that need to be considered in design and analysis of a comparative study, considers possible differences between the evolution of behavior and the evolution of morphology, and reviews how phylogenetic comparative studies have been used in certain areas of behavioral research.

Comparative Psychology Oct 31 2019

Sex, Murder, and the Meaning of Life Nov 12 2020 “Kenrick writes like a dream.”—Robert Sapolsky, Professor of Biology and Neurology, Stanford University; author of A Primate’s Memoir and Why Zebras Don’t Get Ulcers What do sex and murder have to do with the meaning of life? Everything. In Sex, Murder, and the Meaning of Life, social psychologist Douglas Kenrick exposes the selfish animalistic underside of human nature, and shows how it is intimately connected to our greatest and most selfless achievements. Masterfully integrating cognitive science, evolutionary psychology, and complexity theory, this intriguing book paints a comprehensive picture of the principles that govern our lives. As Kenrick divulges, beneath our civilized veneer, human beings are a lot like howling hyenas and barking baboons, with heads full of homicidal tendencies and sexual fantasies. But, in his view, many ingrained, apparently irrational behaviors—such as inclinations to one-night stands, racial prejudices, and conspicuous consumption—ultimately manifest what he calls “Deep Rationality.” Although our heads are full of simple selfish biases that evolved to help our ancestors survive, modern human beings are anything but simple and selfish cavemen. Kenrick argues that simple and selfish mental mechanisms we inherited from our ancestors ultimately give rise to the multifaceted social lives that we humans lead today, and to the most positive features of humanity, including generosity, artistic creativity, love, and familial bonds. And out of those simple mechanisms emerge all the complexities of society, including international conflicts and global economic markets. By exploring the nuance of social psychology and the surprising results of his own research, Kenrick offers a detailed picture of what makes us caring, creative, and complex—that is, fully human. Illuminated with stories from Kenrick’s own colorful experiences -- from his criminally inclined shantytown Irish relatives, his own multiple high school expulsions, broken marriages, and homicidal fantasies, to his eventual success as an evolutionary psychologist and loving father of two boys separated by 26 years -- this book is an exploration of our mental biases and failures, and our mind’s great successes. Idiosyncratic, controversial, and fascinating, Sex, Murder, and the Meaning of Life uncovers the pitfalls and promise of our biological inheritance.

Studyguide for Animal Behavior May 07 2020 Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780878932252 .

Cognition, Evolution, and Behavior May 31 2022 How do animals perceive the world, learn, remember, search for food or mates, communicate, and find their way around? Do any nonhuman animals count, imitate one another, use a language, or have a culture? What are the uses of cognition in nature and how might it have evolved? What is the current status of Darwin's claim that other species share the same "mental powers" as humans, but to different degrees?In this completely revised second edition of Cognition, Evolution, and Behavior, Sara Shettleworth addresses these questions, among others, by integrating findings from psychology, behavioral ecology, and ethology in a unique and wide-ranging synthesis of theory and research on animal cognition, in the broadest sense--from species-specific adaptations of vision in fish and associative learning in rats to discussions of theory of mind in chimpanzees, dogs, and ravens. She reviews the latest research on topics such as episodic memory, metacognition, and cooperation and other-regarding behavior in animals, as well as recent theories about what makes human cognition unique.In every part of this new edition, Shettleworth incorporates findings and theoretical approaches that have emerged since the first edition was published in 1998. The chapters are now organized into three sections: Fundamental Mechanisms (perception, learning, categorization, memory), Physical Cognition (space, time, number, physical causation), and Social Cognition (social knowledge, social learning, communication). Shettleworth has also added new chapters on evolution and the brain and on numerical cognition, and a new chapter on physical causation that integrates theories of instrumental behavior with discussions of foraging, planning, and tool using.

Animal Behavior and Parasitism May 19 2021 We live in a world teeming with parasites. Many animal behaviors, including social interactions, mating displays, and decisions about where to move, nest, and forage are shaped by interactions with parasites. The same is true for humans, where our attraction to mates, hygienic behaviors, food choices, and decisions about when and where to gather in groups often depend on current and perceived infection risk. In turn, behaviors like social distancing and self-medication can alter the trajectories of parasite transmission and evolution, as vividly illustrated by the ongoing COVID-19 pandemic. The myriad connections between animal behavior and parasitism have been the subject of growing research interest since the 1970s and 80s, when fundamental theories linking the two fields of study emerged. Since then, a combination of conceptual and technological advances, and increased integration of ideas across disciplines, have helped to uncover fascinating new connections between animal behavior and the ecology and evolution of infectious diseases. This accessible text surveys emerging research in this vibrant field. Chapters focus on fundamental topics at the interface of animal behavior and parasitism, and authors have been selected to provide a diverse and international perspective. Animal Behavior and Parasitism is an upper-level text suitable for senior undergraduate and graduate level students as well as professional researchers in animal behavior/behavioral ecology, disease ecology, parasitology, and evolutionary biology.

Animal Behavior Feb 02 2020 Animal Behavior covers the broad sweep of animal behavior from its neurological underpinnings to the importance of behavior in conservation. The authors, Michael D. Breed and Janice Moore, bring almost 60 years of combined experience as university professors to this textbook, much of that teaching animal behavior. An entire chapter is devoted to the vibrant new field of behavior and conservation, including topics such as social behavior and the relationship between parasites, pathogens, and behavior. Thoughtful coverage has also been given to foraging behavior, mating and parenting behavior, anti-predator behavior and learning. This text addresses the physiological foundations of behavior in a way that is both accessible and inviting. Each chapter begins with learning objectives and concludes with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout. The book provides a rich resource for students (and professors) from a wide range of life science disciplines. Provides a solid background in the neurophysiological and endocrinological bases of animal behavior as well as exceptionally strong coverage of social behavior Includes behavior and homeostatic mechanisms, behavior and conservation, and behavioral aspects of disease Highlights aspects of behavior that relate to domestic animals in particular Lab manual with fully developed and tested laboratory exercises available for courses that have labs (http://www.elsevierdirect.com/product.jsp?isbn=9780123725820) Companion site for faculty and students to enhance their learning experience at: www.elsevierdirect.com/companions/9780123725813

Evolution and Human Behavior Sep 22 2021 The book covers fundamental issues such as the origins and function of sexual reproduction, mating behavior, human mate choice, patterns of violence in families, altruistic behavior, the evolution of brain size and the origins of language, the modular mind, and the relationship between genes and culture.

Evolutionary Psychology: Neuroscience Perspectives concerning Human Behavior and Experience Mar 29 2022 This book brings together current perspectives concerning the manner in which human mind, behavior and experience evolved. In addition to the traditional psychological literature, it draws from work in the cognitive and affective neurosciences, ethology, and genetics. The focus will be on a unification and integration of evolutionary understandings within a broader consideration.

Evolution and Human Behavior Sep 10 2020

Games of Life Dec 02 2019 "An updated edition of the work originally published by Oxford University Press in 1993." With a new chapter.

Evolutionary Behavioral Ecology Nov 05 2022 Evolutionary Behavioral Ecology presents a comprehensive treatment of the evolutionary and ecological processes shaping behavior across a wide array of organisms and a diverse set of behaviors and is suitable as a graduate-level text and as a sourcebook for professional scientists.

The Domestic Dog Mar 05 2020 A scientific analysis of dogs, their behaviour, and their relationships with humans.

Perspectives in Ethology Jul 01 2022 The current volume focuses on behavioral similarities and differences within individual animals, larger populations, and species as a whole. Research from ecological, social ontogenetic, physiological, and other perspectives is presented to explicate specific behaviors, as well as to provide a more profound understanding of how behavior work influences thought about evolutionary processes.

Studyguide for Animal Behavior: an Evolutionary Approach by John Alcock, ISBN 9780878939664 Oct 12 2020 Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780878939664 .

Conceptual Breakthroughs in Ethology and Animal Behavior Jan 27 2022 Conceptual Breakthroughs in Ethology and Animal Behavior highlights, through concise summaries, the most important discoveries and scientific revolutions in animal behavior. These are assessed for their relative impact on the field and their significance to the forward motion of the science of animal behavior. Eighty short essays capture the moment when a new concept emerged or a publication signaled a paradigm shift. How the new understanding came about is explained, and any continuing controversy or scientific conversation on the issue is highlighted. Behavior is a rich and varied field, drawing on genetics, evolution, physiology, and ecology to inform its principles, and this book embraces the wealth of knowledge that comes from the unification of these fields around the study of animals in motion. The chronological organization of the essays makes this an excellent overview of the history of animal behavior, ethology, and behavioral ecology. The work includes such topics as Darwin’s role in shaping the study of animal behavior, the logic of animal contests, cognition, empathy in animals, and animal personalities. Succinct accounts of new revelations about behavior through scientific investigation and scrutiny reveal the fascinating story of this field. Similar to Dr. John Avise’s Contemporary Breakthroughs in Evolutionary Genetics, the work is structured into vignettes that describe the conceptual revolution and assess the impact of the conceptual change, with a score, which ranges from 1-10, providing an assessment of the impact of the new findings on contemporary science.

Features a lively, brisk writing style and brief entries to enable easy, enjoyable access to this essential information Includes topics that cover the range of behavioral biology from mechanism to behavioral ecology Can also be used as supplemental material for an undergraduate animal behavior course, or as the foundational text for an upper level or graduate discussion course in advanced animal behavior

The Biological Foundations of Organizational Behavior Jan 03 2020 When biological theories were used to understand behavior in the early 20th century, they were often poorly understood. Ideas about race, ethnicity, and IQ, and notions of social Darwinism, were based on a misunderstanding and an incomplete understanding of genetics and Darwin’s theory of evolution by natural selection. Now, however, a biological understanding of social behavior is an integral part of modern science, and increasingly used in the study of behavior in organizations. Yet, compared with other explanatory paradigms in organizational behavior, biological and evolutionary approaches are still relatively rare. The Biological Foundations of Organizational Behavior provides accessible insights for scholars and practitioners in management and organizational behavior into what biology can offer their fields. Chapters contain enough background to orient readers who may have little knowledge of biology, and provide substantive contributions to advancing understanding of specific areas of biology and human behavior in organizations. They also show how the addition of biological theory and research to organizational-behavior scholarship will increase its explanatory and predictive power and contribute to its scientific foundations.

Advances in the Study of Behavior Aug 10 2020 Advances in the Study of Behavior was initiated over 40 years ago to serve the increasing number of scientists engaged in the study of animal behavior. That number is still expanding. This volume makes another important "contribution to the development of the field" by presenting theoretical ideas and research to those studying animal behavior and to their colleagues in neighboring fields. Advances in the Study of Behavior is now available online at ScienceDirect — full-text online from volume 30 onward.

Dogs Mar 17 2021 A look at the biological needs and dispositions of our canine companions looks at eight different types of dogs and argues that their domestication evolved from dogs who found an ecological niche for themselves in Mesolithic village dumps.

Evolutionary Perspectives on Human Sexual Psychology and Behavior Aug 29 2019 This volume in the Springer Series in Evolutionary Psychology presents a state of the art view of the topic of sexuality and sexual behavior drawing on theoretical constructs and research of noted individuals in the field. Comprehensive and multi-disciplinary, this book seeks to provide a broad overview without sacrificing the complexity of a multi-faceted approach. The book is framed by introductory and closing sections that provide a context for the range of ideas contained within. Ample space is provided in designated sections that focus on key areas of sexuality from both male and female perspectives and that include information from primate studies. This volume can serve as a graduate text in sexual behavior in evolutionary terms and as a guide for further research.

Evolutionary Psychology Sep 03 2022 Written in a lively and engaging manner, this new work places evolutionary psychology within the broad sweep of our primate heritage and the full scope of our evolutionary story. Beginning with the basics of evolution, the book first unpacks the far-ranging saga of human evolution, then moves on to examine motor behavior and emotions, sexual behavior and mate selection, and higher cognition.

Comparative Psychology Feb 13 2021 This revised third edition provides an up to date, comprehensive overview of the field of comparative psychology, integrating both evolutionary and developmental studies of brain and behavior. This book provides a unique combination of areas normally covered independently to satisfy the requirements of comparative psychology courses. Papini ensures thorough coverage of topics like the fundamentals of neural function, the cognitive and associative capacities of animals, the development of the central nervous system and behavior, and the fossil record of animals including human ancestors. This text includes many examples drawn from the study of human behavior, highlighting general and basic principles that apply broadly to the animal kingdom. New topics introduced in this edition include genetics, epigenetics, neurobiological, and cognitive advances made in recent years into this evolutionary-developmental framework. An essential textbook for upper level undergraduate and graduate courses in comparative psychology, animal behavior, and evolutionary psychology, developmental psychology, neuroscience and behavioral biology.

Ethology Dec 26 2021 A history of ethology explains the neural and evolutionary mechanisms of behavior, the relationship of behavior to genetics, and the social and complex behavior of animals and humans

Behavioral Mechanisms in Evolutionary Ecology Apr 29 2022 The first book-length exploration of behavioral mechanisms in evolutionary ecology, this ambitious volume illuminates long-standing questions about cause-and-effect relations between an animal’s behavior and its environment. By focusing on biological mechanisms—the sum of an animal’s cognitive, neural, developmental, and hormonal processes—leading researchers demonstrate how the integrated study of animal physiology, cognitive processes, and social interaction can yield an enriched understanding of behavior. With studies of species ranging from insects to primates, the contributors examine how various animals identify and use environmental resources and deal with ecological constraints, as well as the roles of learning, communication, and cognitive aspects of social interaction in behavioral evolution. Taken together, the chapters demonstrate how the study of internal mechanistic foundations of behavior in relation to their ecological and evolutionary contexts and outcomes provides valuable insight into such behaviors as predation, mating, and dispersal. Behavioral Mechanisms in Evolutionary Ecology shows how a mechanistic approach unites various levels of biological organization to provide a broader understanding of the biological bases of behavioral evolution.

Gaining Control Jul 09 2020 'Gaining control' tells the story of how human behavioral capacities evolved from those of other animal species. Exploring what is known about the psychological capacities of other groups of animals, the authors reconstruct a fascinating history of our own mental evolution. In the book, the authors see mental evolution as a series of steps in which new mechanisms for controlling behavior develop in different species - starting with early representatives of this kingdom, and leading to a species - us - that can engage in a large number of different types of behavioral control. Key to their argument is the idea that each of these steps -- from reflexes to instincts, drives, emotions, and cognitive planning - can be seen as a novel type of psychological adaptation in which information is 'inherited' by an animal from its own behavior through new forms of learning - a form of major evolutionary transition. Thus the mechanisms that result from these steps in increasingly complex behavioral control can also be seen as the fundamental building blocks of psychology. Such a perspective on behaviour has a number of implications for practitioners in fields ranging from experimental psychology to public health. Short, provocative, and insightful, this book will be of great interest and use to evolutionary psychologists and biologists, anthropologists and the scientific community as a whole.

Individual Development and Evolution Dec 14 2020 The author intended to portray the interrelationship of heredity, individual development and the evolution of species. The theory of neophenogenesis (how extra- or supragenetic development can lead to evolutionary change) is introduced

Insect Behavior Jul 21 2021 Insects display a staggering diversity of behaviors. Studying these systems provides insights into a wide range of ecological, evolutionary, and behavioral questions including the genetics of behavior, phenotypic plasticity, chemical communication, and the evolution of life-history traits. This accessible text offers a new approach that provides the reader with the necessary theoretical and conceptual foundations, at different hierarchical levels, to understand insect behavior. The book is divided into three main sections: mechanisms, ecological and evolutionary consequences, and applied issues. The final section places the preceding chapters within a framework of current threats to human survival - climate change, disease, and food security - before providing suggestions and insights as to how we can utilize an understanding of insect behavior to control and/or ameliorate them. Each chapter provides a concise, authoritative review of the conceptual, theoretical, and methodological foundations of each topic.

Science and Philosophy of Behavior Aug 22 2021 Rediscover the science and philosophy of behavior In Science and Philosophy of Behavior: Selected Papers, distinguished researcher W. M. Baum delivers an expansive collection of incisive papers setting out a new paradigm of thinking about behavior. The book offers only articles that put forward a philosophical and theoretical framework for an effective natural science of behavior. Quantitative analysis is largely avoided (except for a paper on, of all things, avoidance). Organized into three parts, the author explains the flow-like nature of behavior and its link to evolution, as well as descriptions of a pure form of behaviorism that correct some flaws in B.F. Skinner’s seminal works. The book also links behaviorism to anthropology in its final section. Readers will also find: Fulsome descriptions of the molar nature of behavior and why the molecular view is misguided Re-imaginings of the concept of reinforcement, including considerations of allocation, induction, and contingency Explorations of the links between behavior analysis and Darwinian evolutionary processes An essential critique—and reorganization—of behavior theory and philosophy, Science and Philosophy of Behavior: Selected Papers is a controversial, fascinating, and eye-opening journey through a half-century of transformational work in the field.

Information Behavior Aug 02 2022 Information behavior has emerged as an important aspect of human life, however our knowledge and understanding of it is incomplete and underdeveloped scientifically. Research on the topic is largely contemporary in focus and has generally not incorporated results from other disciplines. In this monograph Spink provides a new understanding of information behavior by incorporating related findings, theories and models from social sciences, psychology and cognition. In her presentation, she argues that information behavior is an important instinctive sociocognitive ability that can only be fully understood with a highly interdisciplinary approach. The leitmotifs of her examination are three important research questions: First, what is the evolutionary, biological and developmental nature of information behavior? Second, what is the role of instinct versus environment in shaping information behavior? And, third, how have information behavior capabilities evolved and developed over time? Written for researchers in information science as well as social and cognitive sciences, Spink’s controversial text lays the foundation for a new interdisciplinary theoretical perspective on information behavior that will not only provide a more holistic framework for this field but will also impact those sciences, and thus also open up many new research directions.

Animal Behavior Desk Reference Apr 17 2021 "Words are our tools, and, as a minimum, we should use clean tools. We should know what we mean and what we do not, and we must forearm ourselves against the traps that language sets us." -- The Need for Precise Terminology, Austin (1957, 7–8) It follows that, for effective and efficient communication, people should have, or at least understand, the same precise terminology. Such terminology is crucial for the advancement of basic, theoretical, and applied science, yet too often there is ambiguity between scientific and common definitions and even discrepancies in the scientific literature. Providing a common ground and platform for precise scientific communication in animal behavior, ecology, evolution, and related branches of biology, Animal Behavior Desk Reference, A Dictionary of Behavior, Ecology, and Evolution, Third Edition contains more than 800 new terms and definitions, 48 new figures, and thousands of additions and improvements. Using a dictionary format to present definitions in a standard, easily accessible manner, the book’s main body emphasizes conceptual terms, rather than anatomical parts or taxonomic terms, and focuses on nouns, rather than verbs or adjectives. Term hierarchies are handled with bulleted entries and terms with multiple definitions are included as superscripted entries. All sources are cited and most are paraphrased to conform to uniform style and length. The dictionary also includes nontechnical and obsolete terms, synonyms, pronunciations, and notes and comments, as well as etymologies, term originators, and related facts. Appendices address organism names, organizations, and databases. Devoted to the precise and correct use of scientific language, this third edition of a bestselling standard enables students and scientists alike to communicate their findings and promote the efficient advancement of science.

Evolutionary Theory and Human Nature Jun 27 2019 Evolutionary Theory and Human Nature is an original, highly theoretical work dealing with the transition from genes to behavior using general principles of evolution, especially those of sexual selection. It seeks to develop a seamless transition from genes to human motivations as bio-electric brain processes (emotional-cognitive processes), to human nature propensities (various constellations of emotional-cognitive forces, desires and fears) to species typical patterns of behavior. This work covers two often antagonistic fields: biology and the social sciences. It should be of strong interest to anthropologists, sociologists, sociobiologists, psychobiologists and psychologists who are interested in the question of human nature influences on social behavior.

Animal Personalities Feb 25 2022 Ask anyone who has owned a pet and they’ll assure you that, yes, animals have personalities. And science is beginning to agree. Researchers have demonstrated that both domesticated and nondomesticated animals—from invertebrates to monkeys and apes—behave in consistently different ways, meeting the criteria for what many define as personality. But why the differences, and how are personalities shaped by genes and environment? How did they evolve? The essays in Animal Personalities reveal that there is much to learn from our furred and feathered friends. The study of animal personality is one of the fastest-growing areas of research in behavioral and evolutionary biology. Here Claudio Carere and Dario Maestriperi, along with a host of scholars from fields as diverse as ecology, genetics, endocrinology, neuroscience, and psychology, provide a comprehensive overview of the current research on animal personality. Grouped into thematic sections, chapters approach the topic with empirical and theoretical material and show that to fully understand why personality exists, we must consider the evolutionary processes that give rise to personality, the ecological correlates of personality differences, and the physiological mechanisms underlying personality variation.

Evolutionary Psychology Oct 24 2021 A short, broad introduction to the emerging field of evolutionary psychology (the study of adaptive significance of behavior). 10 short chapters introduce the reader to the major topics within the field of evolutionary psychology (from "Social Order and Disorder" to "Mating and Reproduction" to "The Creative Impulse: The Origins of Technology and Art"). For psychologists, students, or anyone interested in evolutionary psychology.

Animal Behavior Jun 19 2021 One of the major challenges instructors face in Animal Behavior is engaging with an audience that has a wide range of backgrounds and academic aspirations. Many students taking this course are pre-meds and fail to see the relevance of the subject to their future careers. Rubenstein’s Animal Behavior, the best-selling text in the market, addresses this challenge by introducing students to a rich array of fascinating examples of animal behavior and uses a vivid narrative voice that conveys the excitement of the subject. To further address this course issue, the upcoming 12th edition’s enhanced eBook will make the subject come alive with numerous video and audio clips that will be presented in-line as students read. The enhanced Ebook will also include 50 new interactive figures. Another objective instructors have is to help students master concepts and then demonstrate that mastery. To assist instructors with this goal, the 12th edition enhanced eBook will incorporate all-new inline self-assessments, as well as gradable chapter assessment quizzes. Another essential challenge in the course is helping students realize that animal behavior research is rooted in rigorous scientific methodology. The new edition will include an all-new "Behind the Scenes" feature, in which sections in each chapter will highlight a single research paper and take an in-depth look at how the research was conducted. Related to this course issue, instructors want to introduce their students to a balanced view of the ultimate and proximate causes underlying how and why animals behave as they do. Rubenstein is renowned for its empirical presentation of the ultimate causes of animal behavior, and the 12th edition will do an even better job of integrating concepts across levels of scale at the proximate level. This need will be address by including an even greater focus on Tinbergen’s "Four Questions" and by including more integrative studies that cross levels of analysis. Finally, a significant course challenge is helping students get through the information overload, and the new 12th edition will be streamlined by approximately 10%, a re-design of the chapter summaries, and the addition of synthetic sections that link topics across the text and media resources.

